

Title (en)
IMAGE SENSOR WITH WIDE DYNAMIC RANGE

Title (de)
BILDSSENSOR MIT BREITEM DYNAMIKBEREICH

Title (fr)
CAPTEUR D'IMAGE À LARGE PLAGE DYNAMIQUE

Publication
EP 2478558 A1 20120725 (EN)

Application
EP 10817551 A 20100914

Priority
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Abstract (en)
[origin: US2011063483A1] An image sensor, system and method that alternates sub-sets of pixels with long exposure times and pixels with short exposure times on the same sensor to provide a sensor having improved Wide Dynamic Range (WDR). The sub-sets of pixels are reset at different time intervals after being read, which causes the respective integration times to vary. By combining information contained in the both the short and long integration pixels, the dynamic range of the sensor is improved.

IPC 8 full level
H01L 27/00 (2006.01)

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